DXpedition News

Eritrea - E3 Another multi-national team of operators travels to Eritrea at the end of the month. JH1AJT, Franz Langer DJ9ZB, Vince Thompson K5VT, and another operator will be active on all bands, 160-6 meters, on CW, SSB, and RTTY, June 28-July 7. Try the 'usual DX frequencies:' 3795, 14195, 18115, 21295, 24935, and 28495 kHz on SSB, and 3505, 7005, 10105, 14025, 18070, 21025, 24895, and 28025 kHz on CW. Their callsign will be issued upon arrival, but **E31A** has been requested. QSL via JH1AJT.

Cayman Islands - ZF Joe Hypnarowski WA6VNR and wife Nancy N6RLE will operate as **ZF2AH** and **ZF2JT** respectively June 26-July 13. Joe promises heavy new-band CW activity. They'll also try 28495 kHz. QSL both calls to N6RLE at 3785 Mt. Blackburn, San Diego CA 92111.

Edited by Chod Harris VP2ML

The DX Bulletin

America's Premier Weekly Amateur Radio Publication

Islands On The Air

- **New Ireland - OC-008** Shoji **P29JA/p** will operate June 27-July 2; try the IOTA frequencies of 14260 and 21260 kHz. QSL to JH7MSB. Thanks DXNS.
- **Manus Island - OC-025** Shoji **P29JA/p** will also operate from Manus, especially June 26-27. QSL JH7MSB.
- **Laeso Island - EU-088** SM3TLG will operate **OZ/** June 26-July 2, mainly on CW 10 kHz up. (LNDX.)
- **Corvo Island - EU-089 CU9C** will be active July 1-5 on all bands. QSL to CU3AN, P. O. Box 157, 9702 Angra Do Herismo Codex, Azore Islands, Portugal.
- **San Juan Islands - NA-065** Jim Thomas **KB4XK** will operate from the San Juans on July 13, on the IOTA frequencies and the County Hunters frequencies of 14336 and 14056.5 kHz. QSL to home address: Rt. 1, Box 839, Semora NC 27343.

Shortly Noted

- **5AØRR** showed up on 14195 kHz early June 16 with a booming signal, listening 14200-300, and angering many non-DXers. (The rumor that this caused the ARRL to disqualify the Libya DXpedition was false.) No spots on June 17, and then a few weak CW spots on June 18. Since then, no word.
- **DL7VOA** and **DJØXC** will operate **HBØ/** June 25-July 12, on CW and SSB, on all bands, including the new bands, with a linear and low-band beverages. QSL to home calls.
- **OX/N7PQO** is Michael Savage, operating from the Greenland Ice Sheet Project 2 June 27-Aug. 1. He will try to maintain a sked on 14340 kHz at 0100Z, when not busy with scientific work to obtain an ice core to monitor climatic changes over the past 200,000 years. QSL to Arthur Johnson AA7UT, 11060 Fir Drive, Reno NV 89506. US send SASE; overseas SAE and an IRC.
- **TZ6ABM** is the requested callsign of F1JDG in Mali; try 14040 kHz. (LNDX.)
- **LU1ZV** is active from the Esperanza Base, on the Trinity peninsula of Antarctica. Try 14300 kHz at 1945Z. (LDXB.)
- **VI2AUS** is a special-event station celebrating the crossing of Australia with a combined hot air-helium balloon, by Dick Smith VK2DIK. QSL to VK2WI.
- **TT8OBO** has been active, mainly in the net on 14256 kHz at 2000-2300Z. QSL to WA4OBO.
- **J5UAI** will operate from Senegal 6W in July and early August. QSL to NW8F.
- **A22MN** has run into RFI problems that severely restrict his normally regular operations. Meanwhile, Dave's QSL manager, Ken Shepter WA8JOC, has lost his tower, antennas, and amplifier in a storm June 10. Ken rejects that QSLs will be a bit slower than usual as he rebuilds.
- **Z3** prefixes from Macedonia have appeared on the bands. **Z31PK** (ex-4N5PK), **Z31FK** (ex-4N5FK), and **Z32ET** (ex-YU5DRS) were among the first spotted. Now all the former Yugoslav republics are using their own ITU-assigned prefixes.
- **XT2BW** Peter wraps up his 4.5-year assignment in Burkino Faso in December. Set up a sked with QSL manager WB2YQH before Peter returns to New York.
- **ZK1AJJ/ZK1** was very active from the North Cook Islands. Next stop is Tuvalu T2. QSL ZK1AJJ via JR2KDN.
- **SSB Net** check-ins: **14227** kHz: (11,21Z) XU1AG 3B8AD P29SC V63DJ 9J2BO HSØZAL 3C1TR; **14247:** (23Z) LX1BI TA4AR YI1BGD KG4DX YI1DZ 1B1AB ; **14256**; (2330Z) TR8JH 9H1HZ FR5ZU/G; **21335**: (14Z) 3C1TR; **21355**; (18Z) 3C1TR.
- **RTTY**: Regulars: **4X6UO** 14088 kHz at 0200Z and **RT4UA** on 14086± kHz at 0300Z. Spots: **TU2BB** 14084 2150Z; **UM8MU** 21087 1620Z; **5X1C** 21090 1100Z; **S21A** 14083 1650Z; **3C1EA** 14084 0900Z; **C91AI** 21082 1400Z; **5Z4FM** 14087 1530Z; **7Q7LA** 14085 2200Z; **AP2KS** 14086 1630Z; **A35MW** 14082 0600Z.

Propagation

Forecast and Historical Data

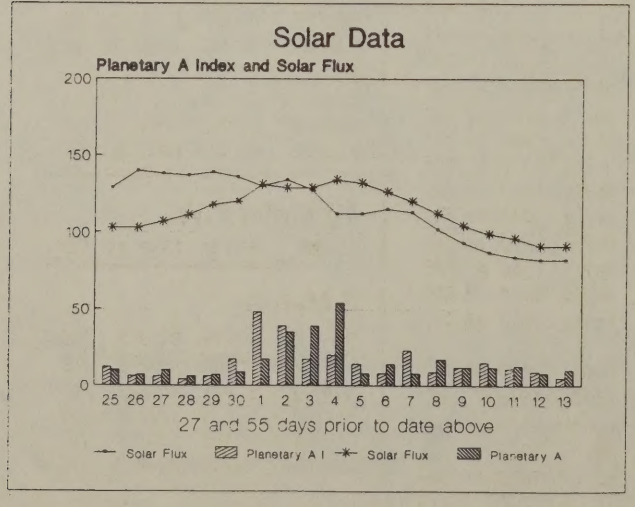
Day	Forecast	27 Days Before				55 Days Before			
June 1993		Date	Flux	A	K	Date	Flux	A	K
25	High Normal	5/29	129	09/12	2	5/1	103	06/10	0
26	Above Normal	5/30	140	03/06	0	5/2	103	05/07	2
27	Above Normal	5/31	138	05/06	2	5/3	107	10/10	2
28	Above Normal	6/1	137	04/04	1	5/4	111	05/06	1
29	Above Normal	6/2	139	05/06	2	5/5	118	06/07	2
30	High Normal	6/3	136	15/17	2	5/6	120	10/09	3
July 1993									
1	Disturbed	6/4	130	37/48	3	5/7	131	14/17	3
2	Disturbed	6/5	134	37/39	4	5/8	129	37/35	4
3	High Normal	6/6	128	15/17	3	5/9	129	28/39	3
4	Low Normal	6/7	112	16/20	3	5/10	134	46/54	3
5	High Normal	6/8	112	10/14	2	5/11	132	03/08	2
6	High Normal	6/9	115	06/08	2	5/12	126	13/14	4
7	Low Normal	6/10	113	19/23	5	5/13	120	04/08	2
8	High Normal	6/11	102	09/09	1	5/14	112	15/17	2
9	High Normal	6/12	93	14/12	2	5/15	104	08/12	3
10	Low Normal	6/13	87	12/15	2	5/16	99	13/12	1
11	High Normal	6/14	84	11/11	2	5/17	96	16/13	4

Propagation Watch

Solar activity remains very low, with solar flux dropping down near 80. (Remember that solar flux values bottom out about 65; 80 is extremely low.) The very low level of activity kept maximum useable frequencies (MUFs) low, even below 18 MHz on most paths. This deprives DXers of 17-meter contacts, restricting essentially all long-haul DX to 20 meters. There is limited activity on the higher bands, but most is on north-south paths.

In spite of the near-complete lack of sunspots, DXers have had to contend with the effects of some solar flares. Late on June 19, a flare from Sunspot Region 7524 produced a moderate Type II Sudden Ionospheric Disturbance (SID), temporarily reducing signal-to-noise ratios on the bands. The flare was on the eastern half of the sun, so the bulk of the charged particles from it should miss the earth, reducing the intensity of the subsequent geomagnetic storm.

The DXer's best bet for long-haul contacts is to follow the sunrise and sunset terminators, and listen for weak signals. The DX is still there, but you have to dig for it.



Eritrea E35X DXpedition Report

Norwegian DXpedition to Asmara, Eritrea May 31 - June 9 1993. The following from Erling Wiig LA6VM was received at ARRL HQ June 18:

The DXpedition was warmly received in Eritrea and its objectives were achieved:

- Introductory seminars held at the Telecom Authority of Eritrea and at Asmara Technical School.
- Asmara Technical School Radio Club was started with elected chairman and 26 members.
- Code training is in progress.
- A complete station, including ICOM IC-751A, IC-2KL, IC-AT500, a Mosley TA33 and dipoles was set up at the radio club.

A three-day seminar was held at the Telecom office, with about 15 participants. A four-day seminar was held at the Asmara Technical School, with about 35 participants. The technical literature—about 15 ARRL manuals and 20 sets of lecture notes—represents the first updating of technical literature at the school in decades.

The radio equipment replaces 40-50 years old nonworking equipment. Amateur radio is now being used in the lectures to visualize and to give hands-on demonstration of electronics and communication theory.

Code training classes continue with the provided training tapes, cassette players and keys. The setting up of the Club Station was attended by over 100 persons and was covered by the Eritrean press, radio, and TV.

The expedition started at 1830Z June 1 with the assigned callsign E35X. The operation closed June 9 at 0620Z. About 20,000 QSOs were made with about 125 countries. The operation took place mainly on 10, 15 and 20 meter SSB and CW with some contacts on 40, 80, and 160 meters and on RTTY. Operators were LA1EE, LA6VM, LA9DL, JF1IST. In addition, Eritrean hams-to-be participated in the operation, marking the start of amateur radio in the independent Eritrea.

QSL via LA6ZH, Ruth Tollefsen, PO Box 17 Tveita, N-0617 Oslo, Norway, one card per QSO please. Cards will not be ready for 6 to 8 weeks. Cards received direct will be returned direct provided an SASE and sufficient postage is included.

Islands On The Air Contest

July 24-25

The contest runs 1200Z Saturday July 24 to 1200Z Sunday, July 25, on SSB only. 80, 40, 20, 15, and 10 meters only. Exchange signal report, consecutive serial number beginning with 001, and IOTA reference number, if you are operating from an island. Work stations in DXCC countries other than your own, for 5 points, or 15 points if the contact is with an IOTA island. Multipliers are IOTA reference numbers, per band. (The full, detailed rules are available from The DX Bulletin, P. O. Box 50, Fulton CA 95439 for a business-sized, self-addressed, stamped envelope.)

Late news: **W7FR** will be active from Whidbey Island NA-067 June 26-27, in the Western Washington DX Club's ARRL Fiueld Day operation. They'll try to operate near the IOTA frequencies.

B • A • N • D • P • A • S • S

S	M	T	W	T	F	S
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	1	2	3
4	5	6	7	8	9	10

*Key to Bandpass: Callsign, frequency, UTC, day of the month, state. * = long path. P = packet. All "portable" calls listed with country of operation first, regardless of format used on the air.*

RTTY

4L1BR	14085	2241	16	FL
4X6UO	14087	0150	18	CA
C6ANX	14087	0130	18	CA
ERØTK	14083	0100	10	OH
LY2ZZ	14088	2312	17	FL
PJ2MI	14090	1102	19	FL
RA9WE	14082	1121	19	FL
RC2AZ	14086	2313	17	FL
RT4UA	14082	0315	15	CA
S58AA	14087	0117	19	FL
TF3KX	14084	0103	19	FL
ZS9A	21091	1553	19	FL

80 Meters

ZL2ABV	3507	1030	16	AL

75 Meters

CE2CC	3798	0300	6	CA
FK8FU	3799	1302	12	CA
FO5IW	3799	1302	6	CA
VK6ACY	3799	1256	12	CA
VK6BB	3799	1300	14	CA
VK6LK *	3798	2321	12	MA

40 Meters

3D2RW	7012	1015	17	AL
5T5TO	7016	0013	14	MA
5Z4JD	7012	0024	5	AL
A35EA	7005	1124	7	AL
CO9VSC	7002	0020	11	GA
FP/VE7LY	7003	2243	18	FL
HV3SJ	7007	0159	18	FL
OY1CT	7003	0303	17	MI
SU2MT	7070	2241	8	MD
VK6NV *	7003	2325	12	MA
Z31CZ	7005	0141	17	VA

30 Meters

9H3XX	10103	0312	9	SC
9H3ZZ	10103	2205	12	GA
D44BS	10101	0537	14	VA
GD4BEG	10104	0549	11	CA
HL1IUA	10103	1253	11	CA
KH2FT	10104	1311	11	CA
LY2DX	10106	0038	19	FL
OA4FW	10103	0407	13	MN
OY1CT	10101	0202	15	AL
PZ1DV	10103	0214	14	GA
RC2SA	10103	0214	15	GA
TI2PZ	10105	0513	17	AZ
TR8XX	10107	0430	5	CA
XE1BEF	10104	0345	12	CA
XT2BW	10115	2128	13	VA
YO8FR	10104	2309	17	FL
Z21HS	10104	1409	4	CA
ZD8DEZ	10101	2148	9	NH

20 Meter CW

3B8FG	14020	0305	7	SC
3B8FG *	14024	1157	14	GA
4K4BAT	14029	0230	10	GA
4L4ZG	14019	0142	16	VA
4L8A	14011	2202	14	FL
4N5PK	14023	0308	8	IL
4O7AV	14010	1640	13	MI
4S7WP	14001	0010	11	GA
4U1UN	14007	0107	8	NH
4U1VIC	14030	2024	12	GA
5Z4JD	14017	0520	12	KS
6W6JX	14023	0538	13	AZ
7Q7XX	14003	2349	18	FL
9D5CW	14026	2149	14	FL
9K2MU	14013	2150	11	NH
9M2AX	14032	1540	12	CA
9M8FC	14025	1435	12	CA
9V1XR	14027	1432	7	MN
9V1ZG	14003	1350	8	CO
9X5HG	14049	2348	5	CA
A35EA	14027	1249	8	MD
BV2TA	14008	1120	9	MA
BV7FP	14026	1311	10	CO
BV7WB	14021	1131	9	MD
CN8ST	14016	2034	13	NH
D22AJ	14023	1229	13	FL
EA6ZY	14024	2130	15	FL
EA9QD	14053	1220	11	GA
ERØTK	14025	2239	9	CO
HR1LW	14003	1158	10	NH
JW6MY	14015	0320	12	CA
KG4DX	14003	2340	14	FL
OD5/ SP7LSE	14016	0308	9	SC
	14010	2215	10	MI
OY1CT	14018	0004	17	VA
OY7ML	14025	2348	16	FL
PZ1AP	14023	2225	10	MI
RF6FKB	14050	2125	12	NH
RM8MW	14018	2039	14	FL
RU1A	18070	2040	13	NH
RU6UR	14037	2243	14	FL
S59AR	18070	1417	13	FL
SV7BIO	14009	2343	14	FL
TA2BS	14015	0137	17	FL
TA4A	14006	2305	13	CA
TK5GT	14001	2150	14	FL
TU2XZ	14024	2350	3	VA
UA2DB	14027	1249	13	FL
UB2JZ	14027	0155	15	GA
UH8BO	14017	0138	17	FL
UI8AA	14012	0120	10	GA
UI9ACP	14011	2335	18	FL
UJ8JA	14004	2210	10	MI
UL8GWJ	14009	2333	18	FL
UO5OGB	14008	2248	16	FL
US1U	14007	2157	7	NH
V31RA	14030	0004	11	GA
V31RA	14030	1433	13	FL
V44KAO	14018	2348	14	FL
V63SM	14017	1301	17	VA
V7/AL7EL	14028	1000	17	FL
V85AA	14003	1139	19	FL
VR6MW	14023	0300	13	ID
XQØX	14020	0120	15	MI
YB3OSE	14030	1250	13	
YN/ SMØOIG	14003	0125	11	MI
Z21HS	14025	0540	13	AZ
Z32ET	14012	0218	17	VA
ZA1AB	14009	0005	17	FL
ZA1J	14024	2238	14	FL
ZA1Z	14021	2059	7	NH
ZD8DEZ	14018	2244	16	FL

20 Meter SSB

3B8CF	14256	0350	10	CA
4K3ZO	14255	0300	10	MA
4L1AA	14195	2126	14	VA
5B4ES	14237	0414	8	MA
9K2JC	14235	0300	11	CA
9K2MU	14198	2155	12	GA
9K2UB	14190	0012	10	MD
9L1SL	14150	2050	4	SC
9V1YQ	14173	1510	12	CA
BV4OB	14200	1141	10	NS
BY1QH	14208	1143	10	NS
FH5CB	14256	0345	10	CA
H44JS	14177	0558	12	KS
JT1BG	14195	1550	14	CA
JW5NM	14194	0223	7	CO
P29CN	14260	1123	8	NS
SU2MT	14246	1946	6	NS
T93M	14197	0053	10	SC
T95X	14201	0329	13	MA
V63OM	14251	1148	10	NS
V73C	14245	1220	6	NS
VE2GSO	14172	0321	12	MA
VS6WV	14165	1050	5	NS
YI1DZ	14257	0140	13	CA
YI1MH	14251	0200	9	CA
YS1XS	14180	1100	11	OH
Z32FK	14198	0450	17	CA

17 Meter CW

3D2QB	18072	0153	13	MN
3V8AS	18070	1256	13	NH
4J4GAT	18069	2127	9	NH
4LØG	18078	2028	10	NH
4N5PK	18072	1607	7	SC
4U1UN	18076	2325	8	GA
8P6SM	18076	2153	14	FL
9A2AJ	18072	2048	10	SC
9H4R	18072	2012	8	NH
BV1YR	18075	1120	7	SC
C56X	18072	1611	19	FL
CO2VG	18073	0120	14	MA
GU3MBS	18071	1238	8	NS
HI3AB	18070	0204	18	MI
OD5/ SP7LSE	18070	2102	10	SC
OK1TS	18074	1609	19	FL
RC2SA	18074	1618	7	SC
RC2SA	18082	2110	11	SC
RT4UA	18072	1329	13	NH
STØ/ PA3CXC	18072	1930	4	MN
SV1YR	18070	2124	11	SC
TA2BK	18071	2206	13	GA
UD6DKW	18072	0505	12	MA
UD6DKW	18072	1302	6	NS
UI8LAA	18069	2040	11	SC
XQØX	18070	0150	12	GA
YI9CW	18075	1935	14	MI
YS1DRF	18075	0035	11	GA
YS1DRF	18073	1656	13	GA
Z21HS	18076	1622	12	NH
ZB2FK	18070	2155	14	FL

17 Meter SSB

9K2WA	18159	0002	2	SC
A35CT	18150	0509	6	CA
A92BE	18125	1930	6	NS
A92BE	18140	2350	1	SC
HH2LQ	18140	0440	8	MA
J88AQ	18116	1931	6	NS
OA4CU	18155	0514	6	CA
VP8CMR	18158	1934	6	NS
YS1XS	18123	0131	5	CA
ZP6XD	18134	2207	12	NY

15 Meter CW

4LØJA	21017	2255	9	NH
7Q7XX	21001	1230	19	FL
KG4DX	21005	2056	13	GA
RL5P	21021	1131	19	FL
UA2FM	21004	1130	19	FL
UI9ACP	21010	1234	19	FL
VP2EE	21040	2105	13	GA
XQØX	21005	2238	10	NH

15 Meter SSB

7Q7JL	21264	1557	8	NS
7X2WAK	21231	1632	7	MD
9K2UB	21210	1225	8	NS
9M8FH	21276	1341	10	NS
DU3GY	21218	1333	10	NS
FR5DX	21280	1425	9	NJ
HC8KU	21285	1411	9	NJ
HZ1AB	21318	1817	11	NH
OD5ZZ	21221	1153	11	NS
TL8MS	21253	1218	8	NS
TU2JL	21335	1552	8	NS
XU5WW	21237	1316	10	NS
XX9AW	21276	1344	10	NS
ZD7DP	21268	1800	5	NS

10 Meter CW

7Z2AB	28010	1330	19	FL

6 Meters

CO2KK	50110	2315	3	NS
CTØWW-B	50030	1202	9	NS
CT4KQ	50102	2107	5	NS
CU1EZ	50110	1205	9	NS
CU1EZ	50110	2050	3	NS
KP4BZ	50105	2305	3	NS

Current and Future DXpeditions

(Changes and hot info in **boldface**.)

DXCC Country	Prefix	Callsign	Dates	Issue
Antarctica		**LU1ZV**	**14300 1945Z**	**I694**
Belau	KC6	JAs	Aug. 8-13	I691
Cambodia	XU	XU7VK	to June 30	I686
Cayman Islands	**ZF**	**ZF2AH/JT**	**June 26-July 13**	**I694**
Chad	**TT**	**TT8OBO**	**now active**	**I694**
El Salvador	YS	YS1DRF	now active	I693
Equatorial Guinea		3C1TR	SSB Nets	I689
Eritrea	**E3**	**E31A?**	**June 28-July 7**	**I694**
Gambia	**C56/**	**DL7s**	**June 14-31**	**I687**
Gough Island	ZD9	ZD9BV	21313 1800Z	I690
Greenland	**OX/N7PQO**		**to Aug. 1**	**I694**
Lebanon	OD5/	SP7LSE	to Aug. 1	I686
Libya	**5A**	**5AØRR**	**Now?**	**I681/2**
Liechtenstein	HBØ/	HBØ/Fs	July 17-24	I690
	DL7VOA+DJØXC		**June 25-July 12**	**I694**
Macao	XX	XX9AS	21177 1300Z	I691
Madagascar	5R	5R8DG	7015 kHz 0250Z	I690
Mali	**TZ**	**TZ6ABM**	**now?**	**I694**
Marion Island	ZS8MI		now active	I693
Montserrat	VP2M	/YLs	July 25-30	I691
Nigeria	5N	several	14210 2000Z	I692
Penguin Islands	ZS1	DLs	July 24-Aug. 3	I685
Peter I Island	3Y		Feb. 1-17	I685
Pratus Island	**BV**	**BV9P**	**June 26-July 5**	**I693**
St. Pierre & Miquelon		Ws/FPØ	July 9-13	I686
St. Paul Island	CY	WV2B/CY9	July 9-12	I686
San Felix	CEØ	XQØX	CW now	I681
Senegal	**6W**	**J5UAI**	**July**	**I694**
Southern Sudan	ST0/PA3CXC		to Sept.	I690
Taiwan	BV/	N4VA	to July	I676
Thailand	**HSØ**	**N4TMW/**	**June 19-July 2**	**I687**
Tunisia	**3V/**	**I1RBJ**	**July 1-8?**	**I693**
Uganda	5X	5X1B	21030 1900Z	I683
Wake Island	KH9		Aug. 31-Sept. 10	I692
Walvis Bay	ZS9	by DLs	Aug. 4-13	I685

Contributors

This Issue would not have been possible without the assistance of our dedicated reporters: AA7UT, AA8HV, AB4PW, AB8K, DXMB, DXNS, JH1AJT, K1HDO, K1KNT, K4BAI, K4GLU, K4II, K4IQJ, K4LNA, K4OD, K5HT, K6IR, K6LEB, K6ZH, K8CH, K8JJC, K8JLF, KA7T, KB4XK, KC7V, KG6I, KM9J, KQ3S, KT7H, LDXB, NØABA, N1QY, N2EJQ, N2GLH, N2KK, N4MM, N4UU, NZ7E, OPDX, VE1YX, VK2PS, WØJRN, WØRXL, W1AW, W1BFT, W1FV, W4VQ, W6BJI, W6JOX, W6UQF, W8CT, WAØRJY, WA6SLO, WA6VNR, WA8JOC, WB2YQH, WW1V, and WU6T. Many thanks! -chod.

Operating Events and DX Gatherings

Dates	Event	Reference:
July 29-Aug. 1	Northwest DX Convention	I689
July 3-4	Venezuelan SSB Contest	CQ
July 10-11	IARU HF Championship	QST
July 17	Columbian Independence Contest	CQ
July 17-18	SEANET CW Contest	CQ
July 24-25	Venezuelan CW Contest	CQ
July 24-25	Islands On The Air Contest	I695
August 27-29	International DX Convention New Orleans	

Resident Amateurs on Regularly

DXCC Country	Callsign	Freq.	UTC
Albania	ZA1Z	14022±	21-0200Z
Belize	V31RA	14031	0000Z
Brunei	V85AA	20M CW	1130Z
Dominican Republic	HI3AB	18070	0200Z
Faroes	OY1CT	14020±	0000Z
Faroes	OY1CT	10101	0200Z
Georgia	4L8A	14008±	2200Z
Iraq	YI1MH	18072±	2100Z
Kuwait	9K2MU	14014±	2200Z
Lebanon	OD5/SP7LSE	14016	22-0300Z
Macedonia	4N5PK	14008±	0300Z
Malta	9H3XX	10103	0300Z
Malta	9H3ZZ	10103	2200Z
Rwanda	9H5HG	20M CW	0000Z
San Felix island	XQØX	14010±	01-0400Z
Saudi Arabia	7Z2AB	14004±	2145Z
St. Helena	ZD7DP	21268	1800Z
Svalbard	JW6MY	14015	0320Z
Tajikistan	UJ8JA	14006±	22-0200Z

The DX Bulletin

P. O. BOX 50
FULTON CA
95439-0050 USA
(707) 523-1001

Copyright **The DX Bulletin**. All rights reserved. **The DX Bulletin** (ISSN 0279-8077) is published 50 times per year, weekly except weeks #27 and #52 of the calendar year, by Chod Harris at P.O. Box 4881, Santa Rosa CA 95402 USA. Telephone (707) 523-1001; Fax: (707) 523-1001. One-year subscription rates are $32 by Second Class Mail, $42 by First Class Mail (including Canada and Mexico) and US$55 Foreign Airmail. Second Class postage paid at Santa Rosa CA. **Postmaster:** Send address changes to **The DX Bulletin**, P.O. Box 50, Fulton CA 95439-0050. Use this address for **ALL** purposes.

QSLs Received

- From managers: **T95X** (9A2AA 2 WKS); **V31DX** (KA6V 3.5 MOS); **4J1FS** (OH2BU 13 MOS); **4J1FM** (OH2LVG 8 MOS); **XH9Z** (KF7SH 1 MO); **KH8/JA1WPX** (JA1WPX 1 MO); **RC2CR** (NF2K 3 WKS); **JX7DFA** (LA7DFA 4 MOS); **JW5W** (LA5NM 7 MOS); **YS1DRF** (W2PD 2 WKS); **V73C** (OKDXA 2 WKS); **3C1EA** (EA4CJA 1 YR); **WA4DAN/KP1** (NØTG 6 MOS); **RY2I** (NA3O 4 MOS); **TG5ITS** (K3BYV 3 WKS); **S21ZM/ZL** (SP5IUL 3 MOS); **3C1TR** (K8JP 5 WKS); **HC8J** (WS7I 3 MOS); **P40J** (WX4G 6 MOS).
- Direct: **PV8AAL** (3 WKS); **BZ5HAN** (3 WKS); **9A2TW** (6 MOS); **9A1CCY** (3 MOS); **A35CT** (2 MOS); **9V1ZE** (1 MO); **4N5KO** (5 MOS); **VR6BX/HI** (2 MOS).